

National Environmental Satellite, Data, and Information Service (NESDIS) Orientation

Overview of NESDIS

NESDIS



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National Environmental Satellite, Data, and Information Service

Today's
Image of the Day



GOES SATELLITE IMAGERY



Our Mission: The NOAA NESDIS mission is to provide and ensure timely access to global environmental data from satellites and other sources to promote, protect, and enhance the Nation's economy, security, environment, and quality of life. To fulfill its responsibilities NESDIS acquires and manages the Nation's operational environmental satellites, provides data and information services, and conducts related research.

Our Lead and Our Role



The NESDIS Organization

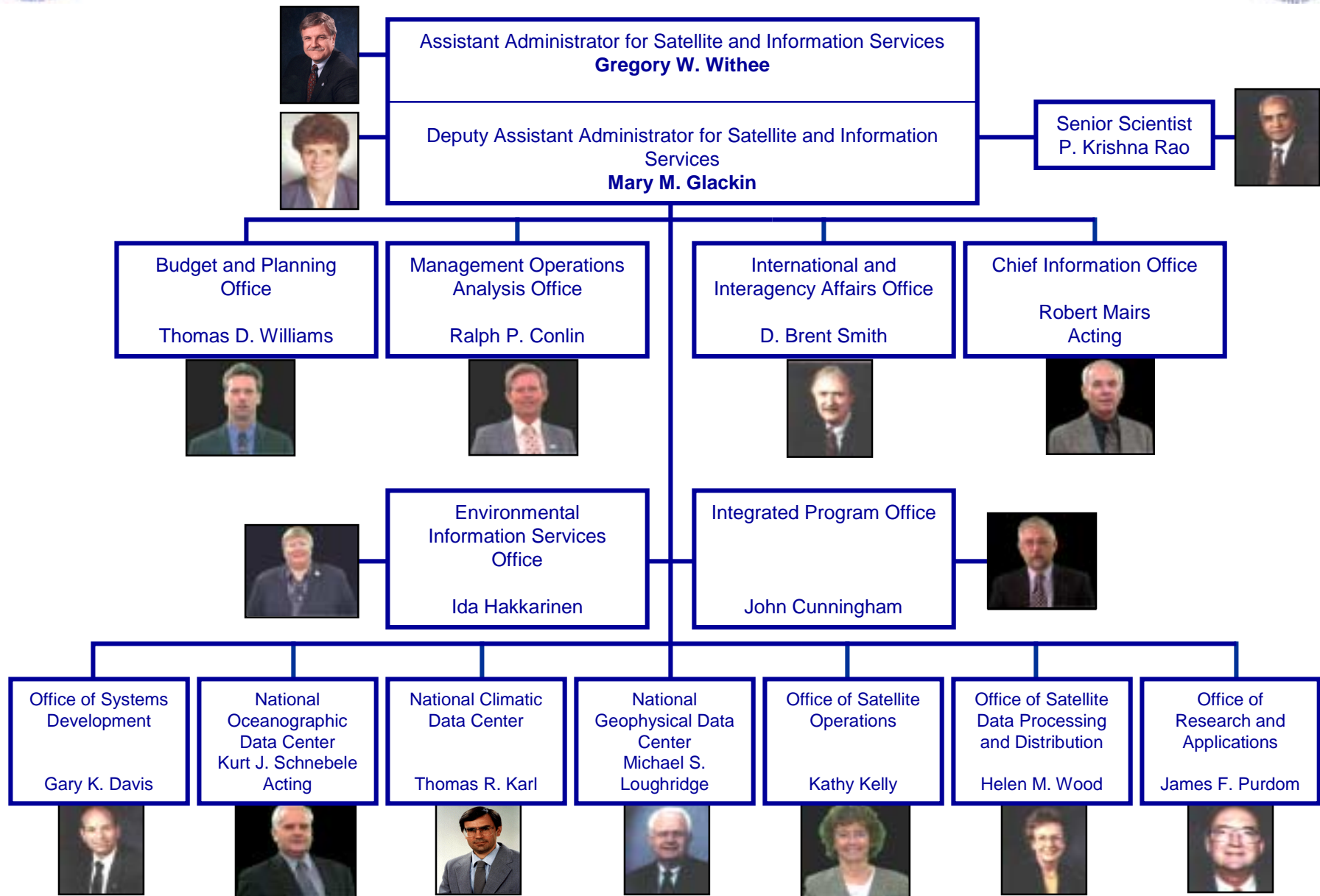
- Environmental Information Services
- National Oceanographic Data Center
- National Climatic Data Center
- National Geophysical Data Center
- Office of Satellite Operations
- Office of Satellite Data Processing and Distribution
- Office of Research and Applications
- Office of Systems Development
- NPOESS Integrated Program Office
- NOAA National Data Centers
- Licensing of Commercial Remote Sensing Satellite Systems

MISSION: The NOAA NESDIS mission is to provide and ensure timely access to global environmental data from satellites and other sources to promote, protect, and enhance the Nation's economy, security, environment, and quality of life. To fulfill its responsibilities NESDIS acquires and manages the Nation's operational environmental satellites, provides data and information services, and conducts related research.



National Environmental Satellite, Data, and Information Service

Organizational Chart



OFFICE OF THE ASSISTANT ADMINISTRATOR

International & Interagency Affairs Office - Chief, D. Brent Smith

Budget & Planning Office - Budget Officer, Tom Williams

Management Operations & Analysis Office - Director, Ralph Conlin

Information Technology Management Office - CIO, Robert Mairs

Environmental Information Services Program - Director, Ida
Hakkarinen

IPO



National Polar-orbiting Operational Environmental Satellite System

The Integrated Program Office provides for the planning, development, management, acquisition, and operation of the Nation's single polar-orbiting operational environmental satellite system to satisfy both civil and national security requirements for remotely sensed meteorological, oceanographic, climatic and space environmental data. It is a triagency office reporting through the National Oceanic and Atmospheric Administration to an Executive Committee comprised of Under Secretary/Administrator level officials of the Department of Commerce, Department of Defense and the National Aeronautics and Space Administration.

System Program Director: John Cunningham

Location: Silver Spring, MD
Centre Building

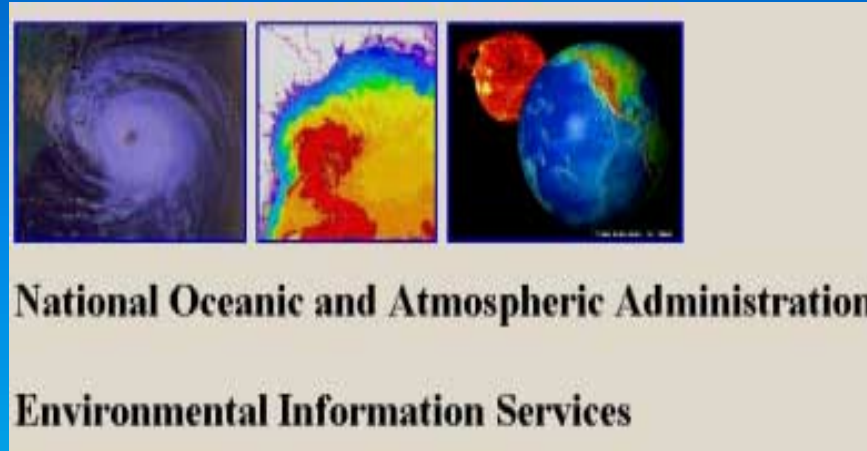
Executive Officer: Capt. Craig Nelson

Administrative Officer: Bobbie McQuilkin

Employee Count: 14

<http://www.ipo.noaa.gov>

EIS



- ***ESDIM, a NOAA-wide program***, was created in response to the NOAA Under Secretary for Oceans and Atmosphere's concern about data management in the organization.
- The ***ESDIM Program supports*** the NOAA's Data Management Mission by focusing its efforts in three critical areas: improvement of data management, promotion of modernization, and coordination and consensus building among data stakeholders.

Director: Ida Hakkarinen

Locations: Silver Spring, MD SSMC 1

Employee Count: 6

<http://www.esdim.noaa.gov/>

OSO



The Office of Satellite Operations (OSO) manages and directs the operation of NOAA's satellites and the acquisition of remotely sensed data. The Office supports the launch, activation, and evaluation of new satellite and ground systems anomalies.

Director: Kathy Kelly

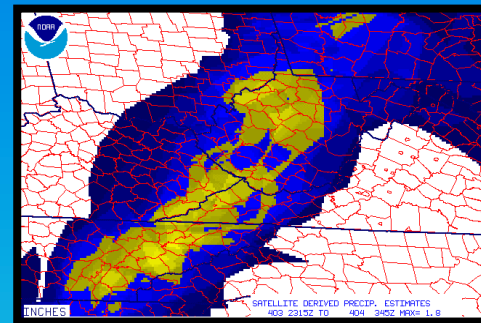
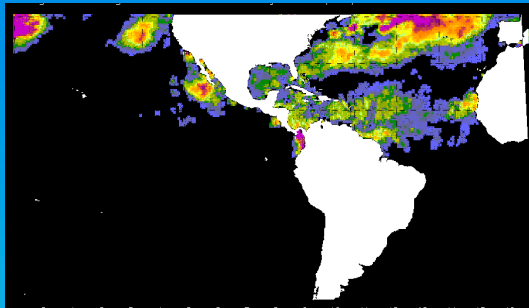
Administrative Officer: Linda Brown

Locations: Suitland, MD FB 4,
Wallops Island, VA,
Fairbanks, AK

Employee Count: 202

<http://www.oso.noaa.gov>

OSDPD



The Office of Satellite Data Processing and Distribution (OSDPD) manages and directs the operation of the central ground facilities which ingest, process, and distribute environmental satellite data and derived products to domestic and foreign users.

Director: Helen Wood

Locations: Suitland, MD FB 4 and
Camp Springs, MD WWB

Deputy Director: Mike Matson, Acting

Administrative Officer: Cindy Brown

Employee Count: 117

<http://psbsgi1.nesdis.noaa.gov:8080/OSDPD/OSDPD2.html>

ORA

Office of Research and Applications



The Office of Research and Applications (ORA) provides overall guidance and direction to the research and application activities. It provides expert service to other NESDIS offices relating to sensor development, instrument problems, or systems hardware components.

Director: James Purdom

Deputy Director: Marie Colton

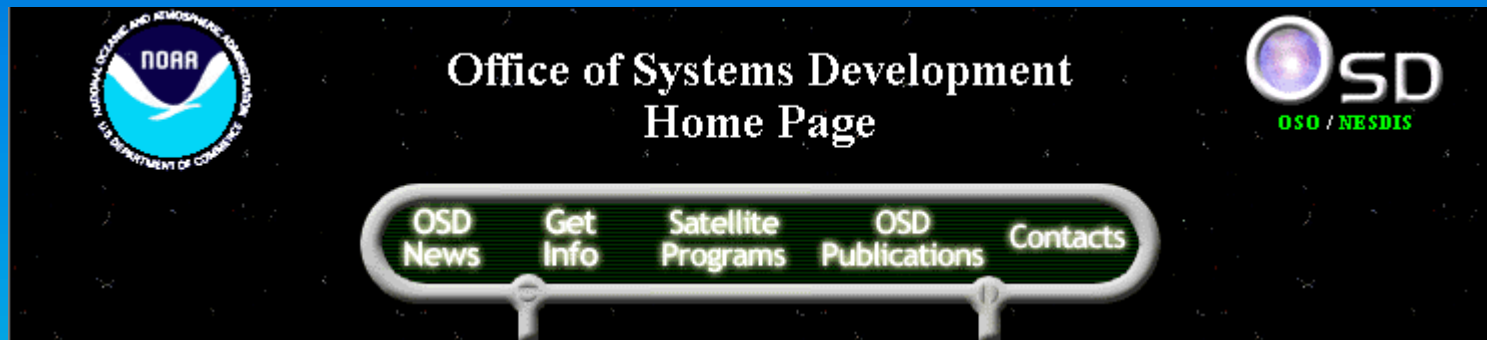
Administrative Officer: Kathy LeFevre

Locations: Camp Springs, MD WWB,
Madison, WI, Fort Collins, CO
Charleston, SC

Employee Count: 98

<http://orbit-net.nesdis.noaa.gov/ora>

OSD



The Office of Systems Development (OSD) performs overall program management functions of NOAA's operational environmental satellite systems and ground system acquisitions.

Director: Gary Davis

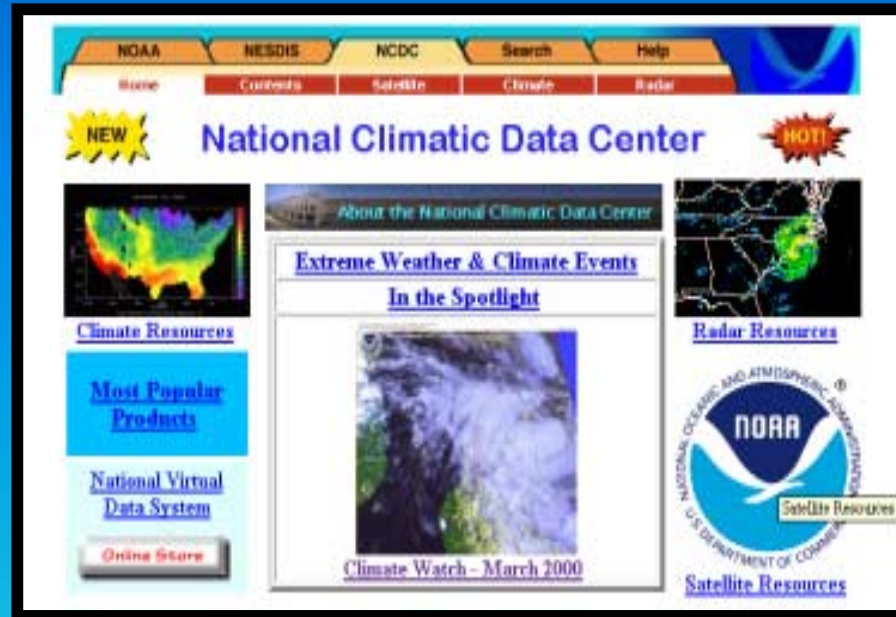
Location: Suitland, MD FB 4

Administrative Officer: Linda Williams

Employee Count: 33

<http://www.osd.noaa.gov>

NCDC



The National Climatic Data Center (NCDC) is the world's largest active archive of weather data. NCDC produces numerous climate publications and responds to data requests from all over the world.

Director: Thomas Karl

Location: Asheville, NC

Deputy Director: Ken Davidson **Employee Count:** 173

Administrative Assistance: Karen Owen

<http://www.ncdc.noaa.gov>

NODC



The National Oceanographic Data Center (NODC) serves to acquire, process, preserve, and disseminate oceanographic data. Its primary mission is to ensure that global oceanographic data is maintained in a permanent archive that is easily accessible to the world science community.

Director: Lee Dantzler

Location: Silver Spring, MD SSMC3

Deputy Director: Kurt Schnebele

Administrative Officer: Vacant

Employee Count: 83

<http://www.nodc.noaa.gov>

NGDC



US Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data & Information Service
NOAA National Data Centers

***National Geophysical
Data Center (NGDC)***

The National Geophysical Data Center (NGDC) is the national repository for geophysical data. NGDC acquires and exchanges global data through the World Data Center system and other international programs.

Director: Mike Loughridge

Location: Boulder, CO

Assistant to the Director: Dave Clark **Employee Count:** 57

Administrative Officer: Rashelle Richardson

<http://www.ngdc.noaa.gov/ngdc>

LEGACY

- **1951** The Weather Bureau, Air Force and Navy Tabulation Units in New Orleans, LA, combined to form the National Weather Records Center, now the National Climatic Data Center in Asheville, NC.
- **April 1, 1960** NASA launched first weather satellite, TIROS - 1 (Television Infrared Observation Satellite), in co-op with NWS.
- **1961** The National Oceanographic Data Center began as an interagency facility administered by the U.S. Naval Hydrographic Center, later Oceanographic, Office in Suitland, MD.
- **1965** New ESSA (Environmental Science Services Administration), combined the Weather Bureau and Coast & Geodetic Survey.

National Geophysical Data Center was created as part of the Environmental Science Services Administration. NGDC moved to Boulder, CO, in 1970.

LEGACY

- ***1966-1969*** Nine satellites in the ESSA series were launched.
- ***1970*** The creation of NOAA - with six line offices.
 - 1) National Environmental Satellite Service (NESS)
 - 2) Environmental Data Service (EDS)
 - 3) National Ocean Survey
 - 4) Environmental Research Laboratories
 - 5) National Marine Fisheries Service
 - 6) National Weather Service
- ***August 1980*** NESS and EDIS combine to form NESDIS.

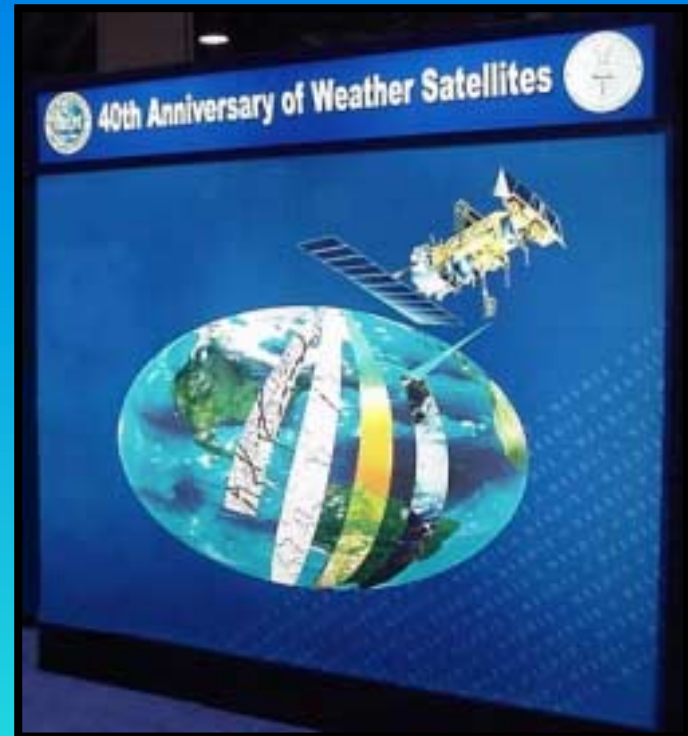
SATELLITES

- ***GOES*** Geostationary Operational Environmental Satellites
 - ♦ regional short-range warning
 - ♦ GOES-11 launched May 2000
- ***POES*** Polar-orbiting Operational Environmental Satellites
 - ♦ global long-term forecasting & environmental monitoring
 - ♦ NOAA-16 launched September 2000
- ***DMSP*** Defense Meteorological Satellite Program
 - ♦ scheduled launch December 2000
- ***NPOESS*** First combined military & civilian satellite scheduled for launch 2008
 - ♦ POES + DOD's Defense Meteorological Satellite Prog. (DMSP)

40th Anniversary of TIROS



April 1, 1960



NESDIS DEMONSTRATION PROJECT

Principal Objective

**Stronger Linkage Between Pay and
Performance**

CLASSIFICATION

Federal Government

- * One Pay Schedule (GS) for all White Collar Occupations.
- * 15 Grade Levels, Each with 10 Steps.
- * 100's of OPM Classification Standards and Individualized PDs.

DEMO Project - NESDIS

- * 4 Pay Schedules: “Career Paths”
 - Science and Engineering (ZP)
 - Technical (ZT)
 - Administrative (ZA)
 - Support (ZS)
- * 5 “Pay Bands” with Range of Salaries. No Steps.
- * Limited Number of DOC Developed Standards
- * Supervisory pay

CAREER PATH & PAY BANDS

Scientific/ Engineering (ZP)

Two-grade interval professional technical positions in the physical, engineering, biological, mathematical, computer and social sciences; and student positions for training in these disciplines.

Scientific/ Engineering (ZP)

GS	1-6	7-10	11-12	13-14	15
ZP	I	II	III	IV	V

ZP - SCIENTIFIC & ENGINEERING

BAND	INTERVAL	INCREASE
V (GS-15)	5	0% - 4%
	4	0% - 4%
	3	0% - 4%
	2	0% - 5%
	1	0% - 6%
IV (GS 13-14)	4-5	0% - 6%
	3	0% - 6%
	2	0% - 8%
	1	0% - 10%
III (GS 11-12)	4-5	0% - 7%
	3	0% - 7%
	2	0% - 12%
	1	0% - 15%
II (GS 7-10)	4-5	0% - 8%
	3	0% - 8%
	2	0% - 16%
	1	0% - 20%
I (GS 1-6)	4-5	0% - 7%
	3	0% - 7%
	2	0% - 12%
	1	0% - 24%

CAREER PATH & PAY BANDS

Scientific/ Engineering Technician (ZT)

One grade interval non-professional technical positions that support scientific and engineering activities through the application of various skills and techniques in the electrical, mechanical, physical science, biology, mathematics, and computer fields; and student positions for training in these skills.

Scientific/ Engineering Technician (ZT)

GS	1-4	5-8	9-10	11-12	13
ZT	I	II	III	IV	V

ZT - SCIENTIFIC & ENGINEERING TECHNICIAN

BAND	INTERVAL	INCREASE
V (GS-13)	4-5	0% - 3%
	3	0% - 3%
	2	0% - 4%
	1	0% - 6%
IV (GS 11-12)	4-5	0% - 3%
	3	0% - 3%
	2	0% - 5%
	1	0% - 7%
III (GS 9-10)	4-5	0% - 5%
	3	0% - 5%
	2	0% - 6%
	1	0% - 8%
II (GS 5-8)	4-5	0% - 6%
	3	0% - 6%
	2	0% - 8%
	1	0% - 12%
I (GS 1-4)	4-5	0% - 7%
	3	0% - 7%
	2	0% - 10%
	1	0% - 12%

CAREER PATH & PAY BANDS

Administrative (ZA)

Two-grade interval positions in such administrative and managerial fields as finance, procurement, personnel, librarianship, public information, and program management and analysis; and student positions for training in these fields.

Administrative (ZA)

GS	1-6	7-10	11-12	13-14	15
ZA	I	II	III	IV	V

ZA - ADMINISTRATIVE

BAND	INTERVAL	INCREASE
V (GS-15)	4-5	0% - 4%
	3	0% - 4%
	2	0% - 5%
	1	0% - 6%
IV (GS 13-14)	4-5	0% - 6%
	3	0% - 6%
	2	0% - 8%
	1	0% - 10%
III (GS 11-12)	4-5	0% - 7%
	3	0% - 7%
	2	0% - 12%
	1	0% - 15%
II (GS 7-10)	4-5	0% - 8%
	3	0% - 8%
	2	0% - 16%
	1	0% - 20%
I (GS 1-6)	4-5	0% - 7%
	3	0% - 7%
	2	0% - 12%
	1	0% - 14%

CAREER PATH & PAY BANDS

General Support (ZS)

One-grade interval positions that provide administrative support through the application of typing, clerical, secretarial, assistant, and similar knowledges and skills; positions that provide specialized facilities support, such as guard and fire fighter; and student positions for training in these skills.

General Support (ZS)

GS	1-2	3-4	5-6	7-8	9-10
ZS	I	II	III	IV	V

ZS - SUPPORT

BAND	INTERVAL	INCREASE
V (GS 9-10)	4-5	0% - 3%
	3	0% - 3%
	2	0% - 4%
	1	0% - 6%
IV (GS 7-8)	4-5	0% - 3%
	3	0% - 3%
	2	0% - 5%
	1	0% - 7%
III (GS 5-6)	4-5	0% - 5%
	3	0% - 5%
	2	0% - 6%
	1	0% - 8%
II (GS 3-4)	4-5	0% - 6%
	3	0% - 6%
	2	0% - 8%
	1	0% - 12%
I (GS 1-2)	4-5	0% - 7%
	3	0% - 7%
	2	0% - 10%
	1	0% - 12%

Pay Pool

Organization level where employees within the same career path are combined for performance decisions. Minimum of five employees.

Rating Official

- Develops Performance Plan with employee
- Conducts progress review(s) with employee
- Modifies plan with employee
- Conducts performance review meetings to discuss accomplishments
- Recommends rating, score, payout, and bonus to Pay Pool Manager, through any intervening higher level supervisor(s)
- Conducts Evaluation Feedback Meeting with employee

Pay Pool Manager

- Manages the pay pool
- Renders final decisions on ratings, scores, performance pay increases and bonuses

RIF CREDIT

OTHER NOAA

- Credit for a “meets or exceeds” is 12 years.
- Last 3 ratings of record w/in last 4 years are averaged

DEMO - NESDIS

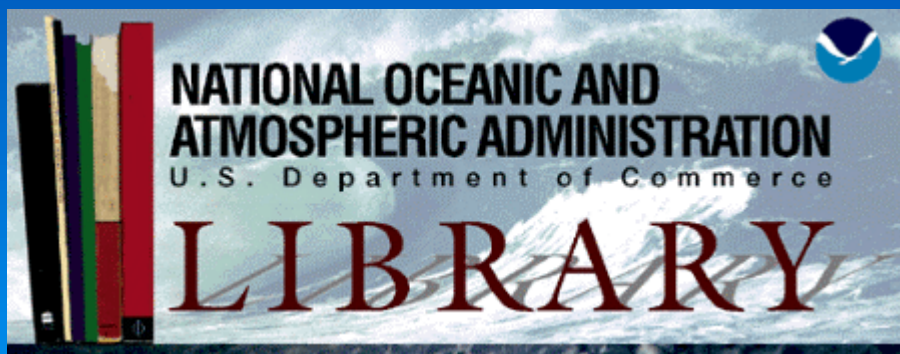
- An employee with an overall performance score in the top 30 percent of scores within a career path, within the same pay pool, is credited with 10 additional years of service for retention purposes

Total potential credit under Demo is 30 years based on being in top 30% for three consecutive cycles.

Grievance Rights



- Grievable
 - Performance Score
 - Pay Increase
- Not Grievable
 - Performance Plan
 - Bonus Decisions



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WINDandSEA: The Oceanic and Atmospheric Sciences Internet Locator

The NOAA Browser - links to NOAA websites

NOAA History Page

NOAA Library and Information Network

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NOAA CENTRAL LIBRARY TOUR

SSMC3, 2nd Floor

Every Wednesday

11:30 A.M.